

**DECLARATION AND POWER OF ATTORNEY
FOR U.S. PATENT APPLICATION**

Original Supplemental Substitute PCT Design

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: INPUT/OUTPUT DATA PIPELINE CIRCUIT OF SEMICONDUCTOR MEMORY DEVICE AND THE SEMICONDUCTOR MEMORY DEVICE

of which is described and claimed in:

- the attached specification, or

the specification in the application Serial No. filed ,
and with amendments through (if applicable), or

the specification in International Application No. filed
and as amended on (if applicable).

I hereby state that I have reviewed and understand the content of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (and §172 if this application is for a Design) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application in which priority is claimed:

COUNTRY	APPLICATION NO.	DATE OF FILING	PRIORITY CLAIMED
Republic of Korea	2003-11855	February 26, 2003	Yes

I hereby claim the benefit under Title 35, United States code, §120 and §119(e) of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	U.S. FILING DATE	STATUS: PATENTED, PENDING, ABANDONED

VOLENTINE FRANCOS, P.L.L.C. (9/2001)

And I hereby appoint Adam C. Valentine, Reg. No. 33289 and William S. Francos, Reg. No. 38,456, and the firm of **VOLENTINE FRANCOS, P.L.L.C.**, jointly and severally, attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I hereby authorize the U.S. attorneys named herein to accept and follow instructions from Y.P. LEE, MOCK & PARTNERS, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by me.

Kindly direct all correspondence to:

VOLENTINE FRANCOS, P.L.L.C.
12200 Sunrise Valley Drive,
Suite 150
Reston, VA 20191

Telephone (703) 715-0870
Facsimile (703) 715-0877

FULL NAME OF 1 ST INVENTOR	FAMILY NAME KIM	FIRST GIVEN NAME YOUN-CHEUL	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY SEOUL	STATE OR COUNTRY REPUBLIC OF KOREA	COUNTRY OF CITIZENSHIP REPUBLIC OF KOREA
POST OFFICE ADDRESS	ADDRESS 63-18, DAPSIMNI 2-DONG, DONGDAEMUN-GU, SEOUL, KOREA	CITY	STATE OR COUNTRY ZIP CODE
FULL NAME OF 2 ND INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
POST OFFICE ADDRESS	ADDRESS	CITY	STATE OR COUNTRY ZIP CODE
FULL NAME OF 3 RD INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP
POST OFFICE ADDRESS	ADDRESS	CITY	STATE OR COUNTRY ZIP CODE

FULL NAME OF 4 TH INVENTOR	FAMILY NAME		FIRST GIVEN NAME	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
FULL NAME OF 5 TH INVENTOR	FAMILY NAME		FIRST GIVEN NAME	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
FULL NAME OF 6 TH INVENTOR	FAMILY NAME		FIRST GIVEN NAME	SECOND GIVEN NAME
RESIDENCE & CITIZENSHIP	CITY	STATE OR COUNTRY	COUNTRY OF CITIZENSHIP	
POST OFFICE ADDRESS	ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE

I further declare that all statements made herein of my own knowledge are true, and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1st Inventor Date:

2nd Inventor Date:

3rd Inventor Date:

4th Inventor Date:

5th Inventor Date:

6th Inventor Date:

Applicant Reference No.

SS-18491-US

Atty Docket No. SEC.1083